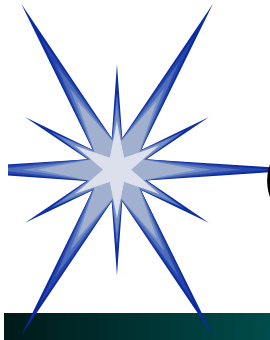# Biennial Reporting System (BRS) Overview

Presented at BRS Privatization

Vendor Meeting
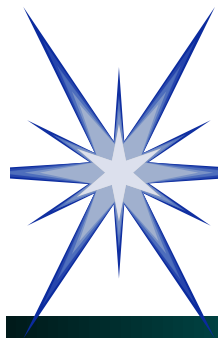
February 24, 1999

Overview - Purpose

- ➤ To educate software vendors on functionality of BRS 5.2.0
    - ➤ This briefing is intended to show highlights of current functionality only, and is not comprehensive in nature
- ➤ To ensure that all potential software vendors are equally aware of current functionality
- ➤ NOTE!!: EPA HQ does not require duplication of all existing BRS functionality
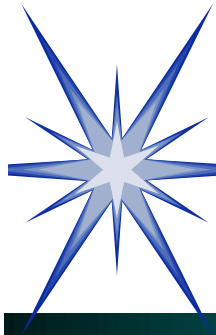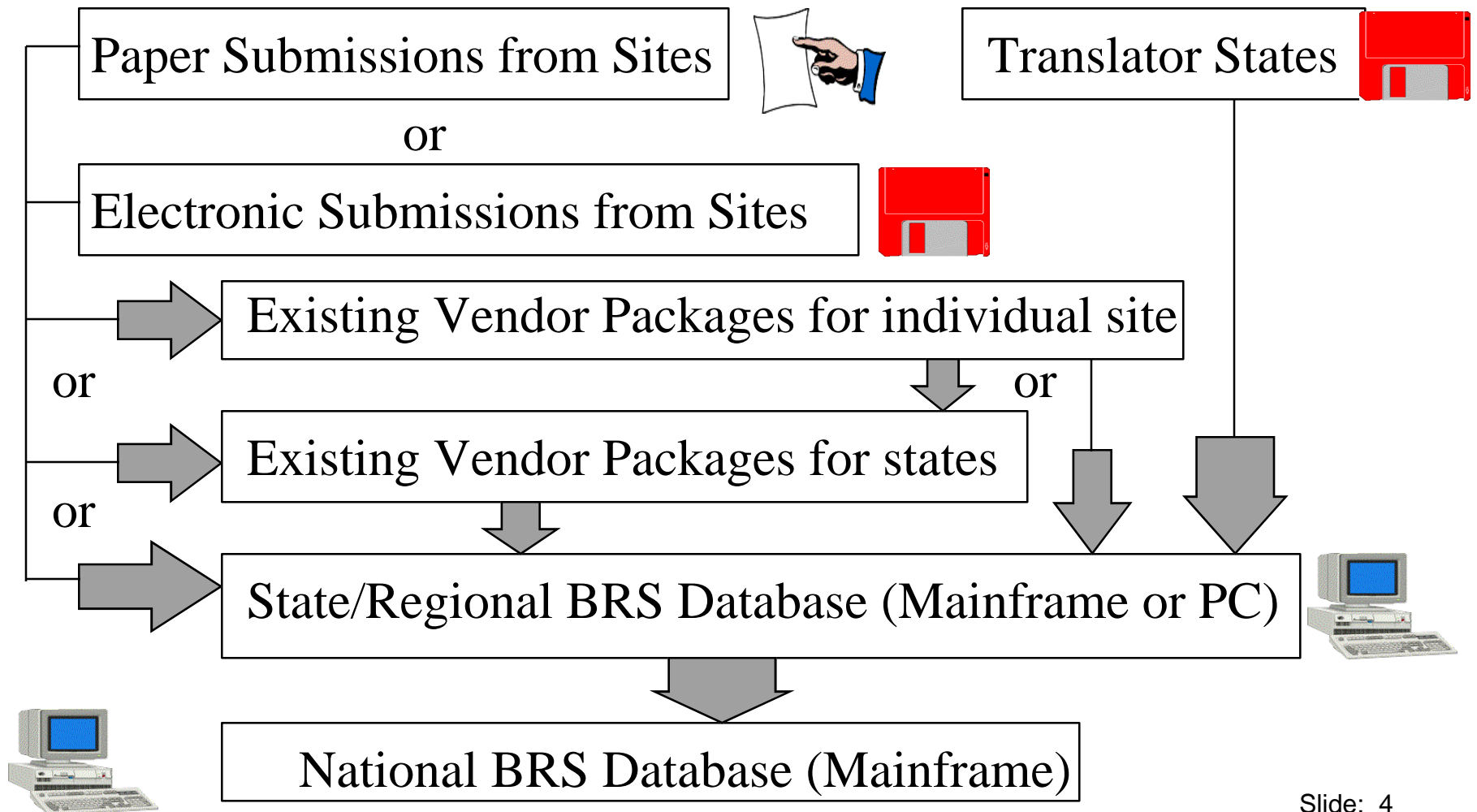
What is BRS?

- ➤ Integrated data entry, management, and reporting software package

- ➤ Written in FOCUS

- ➤ Available on IBM Mainframe or DOS based Personal Computer

- ➤ Existing system documentation is available at http://www.epa.gov/epaoswer/hazwaste/data/brvendor

  - ➤ *User Guide*

  - ➤ *1997 Translator Guide* (Note: this guide is not for use in developing submission of 1999 Biennial Report data)

  - ➤ *Electronic Reporting Guide for the 1997 Hazardous Waste Report*

  - ➤ *Reports Library*

Data Flow: Before Privatization

Paper Submissions from Sites

Translator States

or

Electronic Submissions from Sites

Existing Vendor Packages for individual site

or

or

Existing Vendor Packages for states

or

State/Regional BRS Database (Mainframe or PC)

National BRS Database (Mainframe)
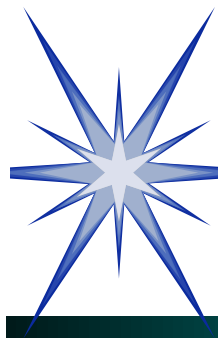
Data Flow: After Privatization

Paper Submissions from Sites

or

Translator States

Electronic Submissions from Sites

Vendor Packages for individual site use *

or

Vendor Packages for state use*

National BRS Database
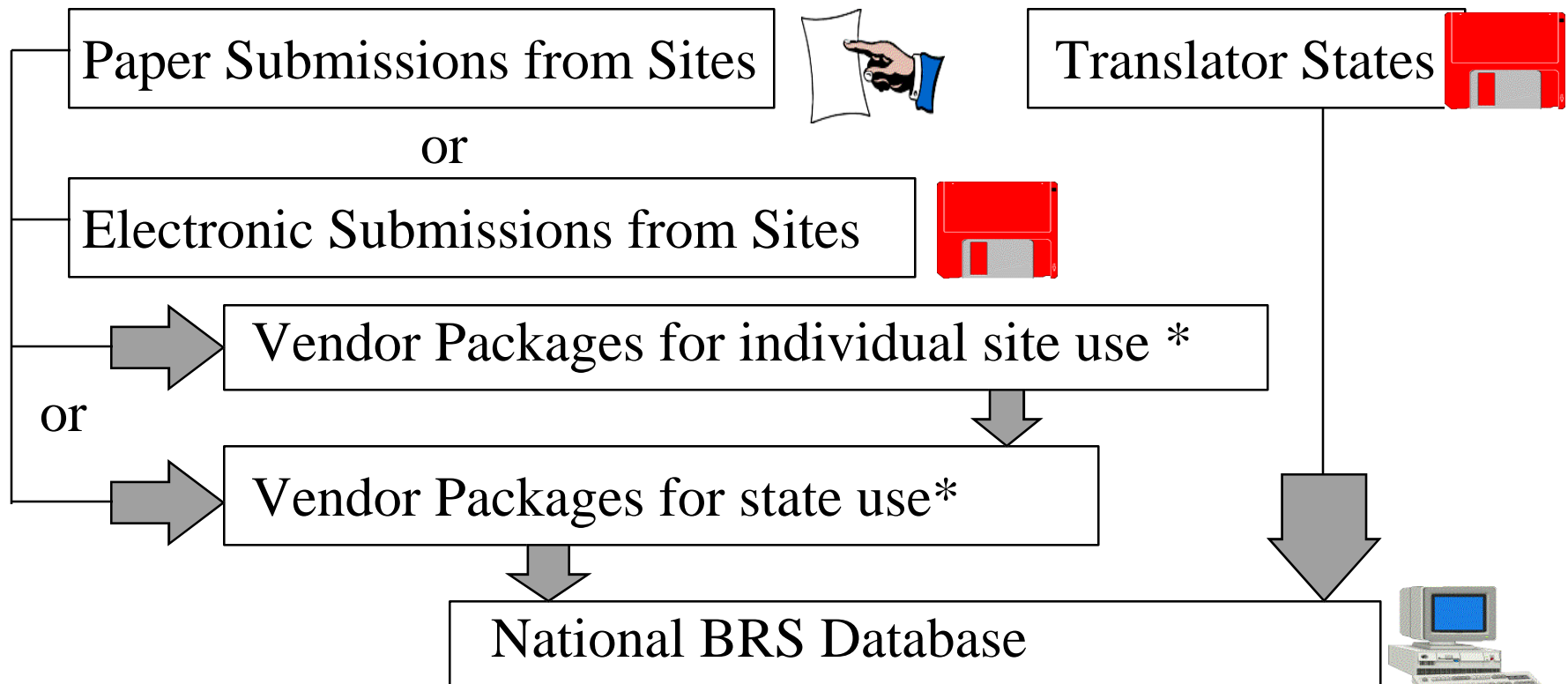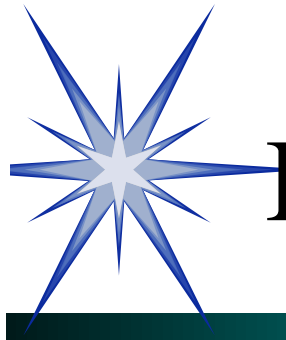
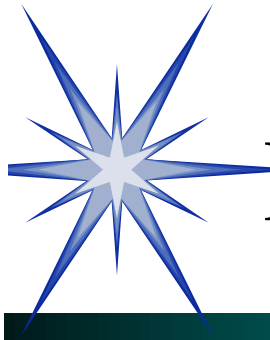* Note: It is not a requirement from EPA HQ that Vendor Packages accept electronic submissions or that vendor packages have a site component and a state component.
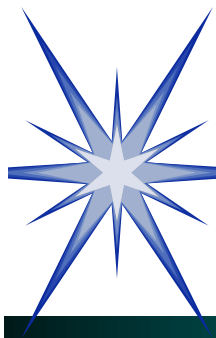
Basic BRS Functionality

➤ Data Entry

➤ Database Management

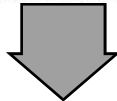➤ Data Quality

➤ Data Reports

➤ Data Transfer

Data Entry

➤ Forms based data entry for IC, GM, WR, OI, and Postcard forms

➤ Electronic load for GM, WR, OI forms

➤ View only functionality
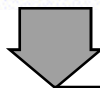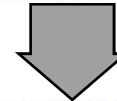
IC Form Data Entry

GM Form Data Entry

Slide: 9

Continued

GM Form Data Entry, Continued

Continued from previous slide

```
**************************************************************************
* BRS:  FORM  GM  UPDATE     EPA ID:  MDD123456782          Screen  6 of 6 *
**************************************************************************
* Site Name:  TEST SITE                                  GM Page:      3*
**************************************************************************
*                                                                        *
*                          *** Comments ***                              *
*          WASTE COMMENTS HERE.                                          *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
**************************************************************************
* ENTER-Save   F3-Exit                                                   *
**************************************************************************
```

WR Form Data Entry

OI Form Data Entry

```
*************************************************************************
* BRS:  FORM  OI  UPDATE      EPA ID:  MDD123456782        Screen 2 of 3 *
*************************************************************************
* Site Name:  TEST SITE                              Page:    1 Site:   1 *
*************************************************************************
*              A.   EPA ID of Off-Site Installation or Transporter:      *
*                          NCD123456782                                   *
*                                                                         *
*         B-D.   Off-Site Installation or Transportation Information      *
*                                                                         *
*         Generator            Transporter            TSDR                *
*             X                     X                   X                 *
*                                                                         *
*                                                                         *
*    Name:  NORTH CARLOINA SITE                                           *
* Streets:  1234 STREET NAME               1234 STREET NAME 2             *
*    City:  HIGH POINT                                                    *
*   State:  NC    Zip:   12345                                            *
*                                                                         *
*************************************************************************
* ENTER-Continue   F2-Cancel   F3-Exit                                    *
*************************************************************************
```

```
*************************************************************************
* BRS:  FORM  OI  UPDATE      EPA ID:  MDD123456782        Screen 3 of 3 *
*************************************************************************
* Site Name:  TEST SITE                              Page:    1 Site:   1 *
*************************************************************************
*                          *** Comments ***                              *
*         OI FORM COMMENTS HERE.                                          *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*                                                                         *
*************************************************************************
* ENTER-Save   F3-Exit                                                    *
*************************************************************************
```
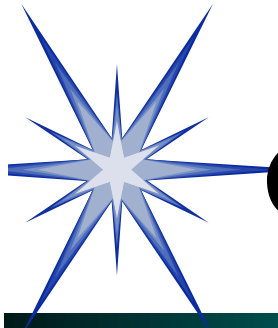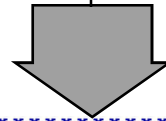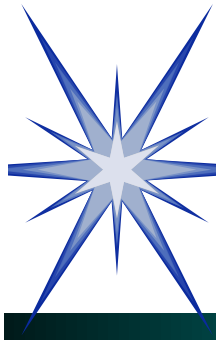
# Electronic File Load for Site to State Data Transfer

➤ Forms supported: Any combination of
  ➤ GM Forms
  ➤ WR Forms
  ➤ OI Forms
➤ Only EPA specified file format supported
  ➤ See *Electronic Reporting Guide for the 1997 Hazardous Waste Report*

View Forms Functionality

➤ Ability to view data without the possibility of changing the data

➤ Data presented in the same format and layout as the data entry screens

➤ Users have the ability to "scroll" through the data (that is, move seamlessly across ID and forms)
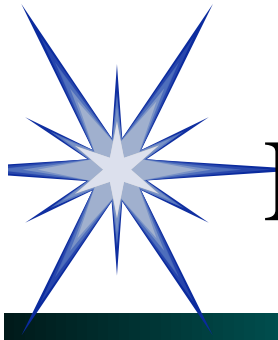
DatabaseManagement

➤ Integrated tools for backup, recovery, and associated DBMS tasks (rebuilds, etc.)

➤ Previous versions contained tools to manage data collection process (Program administration module: receipt control, standardized management reports, etc.)

  ➤ Removed with BRS V5.0.0

➤ Access / Security controls

  ➤ ID assignment

  ➤ Security control: Read only, data entry, or database administrator
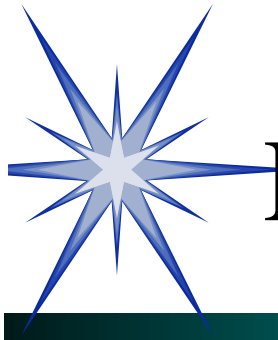
Data Quality

➤ Variety of tools available

  ➤ Screen edits during data entry

    ➤ example: all EPA waste codes must be valid

  ➤ Basic editor

    ➤ example: unit of measure must be valid

  ➤ Advanced editor

    ➤ example: form code must be valid

  ➤ Data transfer load edits

    ➤ example: numeric fields must not contain alphabetic characters

  ➤ Data assessment reports

    ➤ generator status v. quantity generated

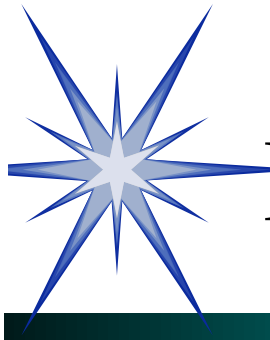   ➤ shipper/receiver reports

    ➤ core assessment reports

Data Quality Tools, Implementation Map

Screen Edits

Advanced Edits

Basic Edits - 1

Data transfer load edits - 1

Data Assessment Reports - 2
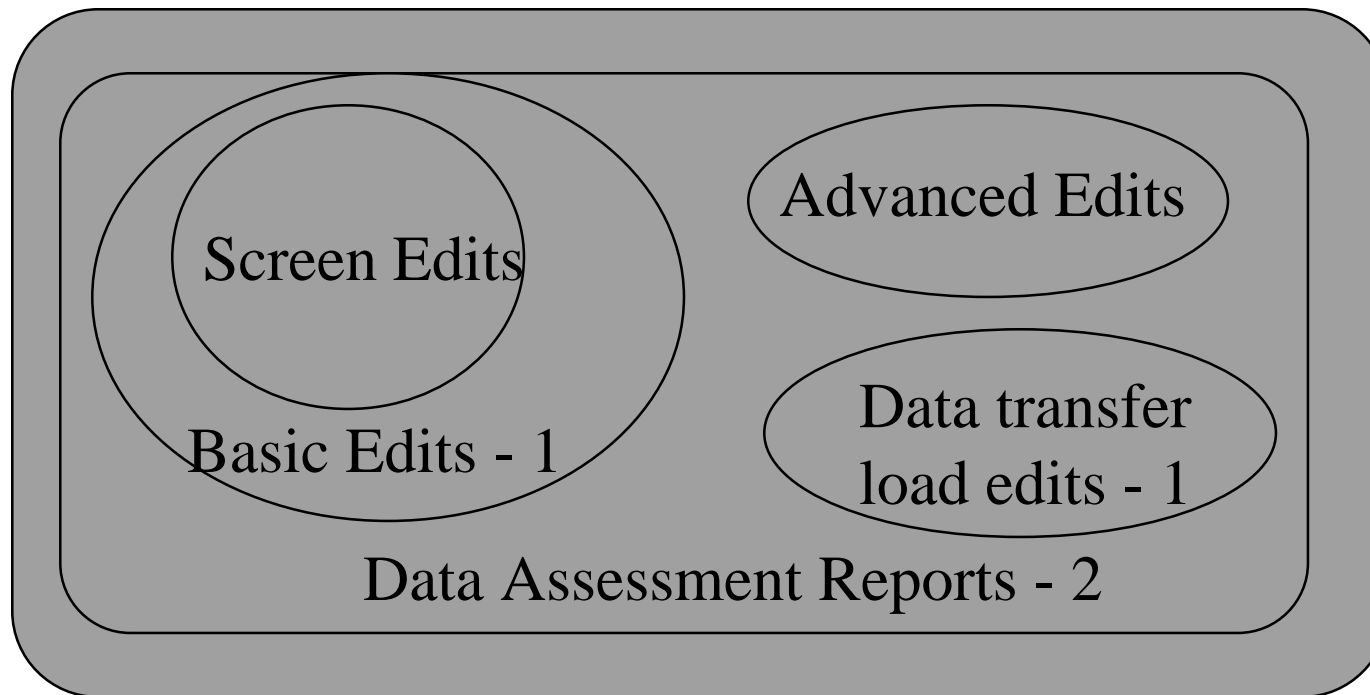
1 - Must be enforced by vendor package
2 - Will be included in National Oversight Software

Basic Editor, Sample Output

```
EPA ID -- Site Name          Path                              Edit   Data Element  Value

     --------------------------------------------------------------------------------------

  VAD123456782 -- TEST SITE #1


                     FILE: SITES                                1147   ON_STOR_ST
                     FILE: SITES                                1148   ON_R_TDR_ST


                     FORM=GM, PAGE=00001, SUB-PAGE=01, SYSTEM TYPE=M021 1260   IO_TDR_ID     MDD123456783


                     FORM=GM, PAGE=00001, SUB-PAGE=01, SYSTEM TYPE=M041 1260   IO_TDR_ID     NCD111111111
```
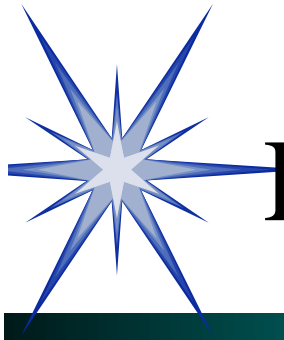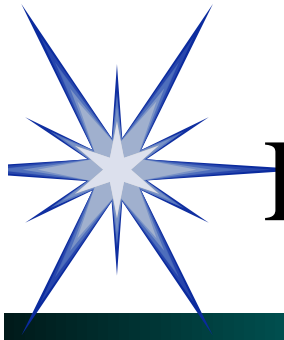
Data Reports

- ➤ **Standard Facility Reports**
  - ➤ Answers standard questions often asked by users
    - ➤ Mailing labels, Summary information by site
- ➤ **National Exhibit Reports**
  - ➤ National Exhibit Reports correspond to exhibits the National Biennial RCRA Hazardous Waste Report
    - ➤ Waste Generation and number of Generators, by State
    - ➤ Uses algorithm to decide what is included/excluded from the National Report
    - ➤ Algorithm subject to change
- ➤ **Further details in the Reports Library**

Data Transfer

- ➤ Three Data Transfer Tools (all use EPA Flat File format)
  - ➤ Extracting data from FOCUS to flat files
  - ➤ Importing data from flat files to FOCUS
    - ➤ details on the EPA Flat File format are found in the Translator Guide
  - ➤ Prepopulating from flat files
    - ➤ Prepopulating Form IC data is standard with BRS. Prepopulating other forms requires user customization
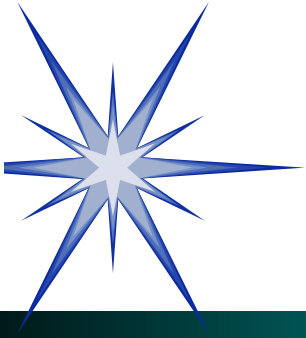
Confidential Business Information (CBI)

- ➤ Reporting sites have the option of declaring their data CBI, subject to certain conditions
- ➤ CBI data must be handled according to CBI procedures (Procedures for Handling RCRA Confidential Business Information)
  - ➤ Including, using a PC that is kept in a CBI storage room or has removable storage media
- ➤ BRS supports CBI processing through the use of the BRS PC software
- ➤ If a site claims CBI for part of its data, then all data for the site must be managed on the CBI PC
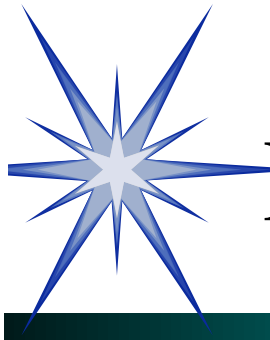
Final Thoughts

- ➤ Source code for BRS will not be provided due to the complexities involved in providing and interpreting the source code

- ➤ EPA HQ does not require duplication of all existing BRS functionality

- ➤ EPA HQ sets the minimum standards for data quality

- ➤ Implementers may require higher standards of data quality

- ➤ Implementers may require duplication of existing functionality

End of Presentation